

P1812

Submitter Email: h.karmaker@ieee.org
Type of Project: New IEEE Standard
PAR Request Date: 28-Sep-2009
PAR Approval Date: 09-Dec-2009
PAR Expiration Date: 31-Dec-2013
Status: PAR for a New IEEE Standard
Project Record: 1812

1.1 Project Number: P1812
1.2 Type of Document: Guide
1.3 Life Cycle: Trial Use

2.1 Title: Guide for Testing Permanent Magnet Machines

3.1 Working Group: Motor SC - Testing Permanent Magnet Machines (PE/EM/Motor-WGxxxx)
Contact Information for Working Group Chair

Name: Haran Karmaker
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Power & Energy Society/Electric Machinery (PE/EM)

Contact Information for Sponsor Chair

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2012

4.3 Projected Completion Date for Submittal to RevCom: 10/2013

5.1 Approximate number of people expected to be actively involved in the development of this project: 16

5.2 Scope: This guide contains instructions for conducting tests to determine the performance characteristics and machine parameters of permanent magnet machines. The tests described may be applied to motors and generators, as needed, and no attempt is made to partition this guide into clauses applying to motors and clauses applying to generators. It is not intended that this guide shall cover all possible tests, or tests of a research nature, but only those general methods that may be used to obtain the performance data and machine parameters. The schedule of factory and field tests, which may be required on new equipment, is normally specified by applicable standards or by contract specifications. This guide should not be interpreted as requiring any specific test in a given transaction or implying any guarantee as to specific performance indices or operating conditions.

The term specified conditions for tests as used in this guide will be considered as rated conditions unless otherwise agreed upon. Rated conditions apply usually to the quantities listed on the machine nameplate.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: Instructions for conducting tests to determine the performance characteristics and machine parameters of permanent magnet machines are covered in this guide. Additional tests may be required by the customers and operators to satisfy specific performance indices.

5.5 Need for the Project: Permanent magnet machines are widely employed for energy-efficient applications. No guide is known to the WG for permanent magnet machines.

5.6 Stakeholders for the Standard: Manufacturers, customers such as industry and utility

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: Do Not Know

If Yes please explain:

and answer the following

Sponsor Organization: IEEE PES

Project/Standard Number:

Project/Standard Date:

Project/Standard Title: Guide for Testing Permanent Magnet Machines

7.2 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

b. Joint Development

Is it the intent to develop this document jointly with another organization?: No

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No

8.1 Additional Explanatory Notes (Item Number and Explanation):